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l60 and lubricate	0

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 US Pre-Grant Publication Full-Text Database  
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**Derwent World Patents Index**  
 IBM Technical Disclosure Bulletins

IBM Technical Disclosure Bulletins

160 and lubricate

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**Search History**

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L59: Entry 5 of 10

File: DWPI

Sep 14, 1994

DERWENT-ACC-NO: 1994-280998

DERWENT-WEEK: 199435

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TITLE: Absorbent material prepn. - comprises providing matrix material into solvent, mixing particles off superabsorbent polymer into solutioned matrix material, etc.

INVENTOR: HOPKINS, J B; MAHERAS, J C ; MORTON, J B

PATENT-ASSIGNEE: HOECHST CELANESE CORP (FARH)

PRIORITY-DATA: 1993US-0028503 (March 9, 1993)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 614671 A1	September 14, 1994	E	005	A61L015/60
FI 9401067 A	September 10, 1994	N/A	000	C08L101/00
JP 06298946 A	October 25, 1994	N/A	004	C08J003/00
NO 9400803 A	September 12, 1994	N/A	000	C08J003/09
US 5362766 A	November 8, 1994	N/A	003	C08J009/28

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

CITED-DOCUMENTS: EP 157960; EP 425269 ; EP 437816 ; EP 547474 ; FR 2392069 ; GB 2203985 ; GB 2207369

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 614671A1	March 5, 1994	1994EP-0103365	N/A
FI 9401067A	March 7, 1994	1994FI-0001067	N/A
JP06298946A	March 9, 1994	1994JP-0038174	N/A
NO 9400803A	March 8, 1994	1994NO-0000803	N/A
US 5362766A	March 9, 1993	1993US-0028503	N/A

INT-CL (IPC): A61L 15/22; A61L 15/60; C08J 3/00; C08J 3/09; C08J 9/28; C08L 1/00; C08L 33/00; C08L 101/00

ABSTRACTED-PUB-NO: EP 614671A

## BASIC-ABSTRACT:

A process for making an absorbent material contg. a superabsorbent polymer comprises: (i) providing a matrix material in a suitable solvent; (ii) mixing particles off a superabsorbent polymer into solutioned material to form a suspension; (iii) homogenising the suspension; and (iv) removing the solvent from the suspension.

ADVANTAGE - The material has good absorbent and retention properties and immobilises the superabsorbent polymer. The method is cheaper than the prior art processes.

ABSTRACTED-PUB-NO: US 5362766A

## EQUIVALENT-ABSTRACTS:

Superabsorbent polymeric material is made from a matrix which comprises a cellulose ester, acrylic acid ester, polyvinyl ester, and/or their copolymer.

Process comprises (a) mixing particles of superabsorbent polymer into a soln. of the matrix to form a suspension; (b) homogenising it at more than 2,000 p.s.i.g. pressure; and (c) removing the solvent. Solvent comprises e.g. acetone, methyl ethyl ketone, methyl acetate, ethyl acetate, etc.

ADVANTAGE - No costly cooling step is involved.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: A96 D22 P34

CPI-CODES: A09-A08; A12-W11; D09-C06;

EAST

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Drafts    BRS: superabsorbent adj1 polymer

Pending

Active

- L1: (6) superabsorbent adj1 polymer and synthetic adj1 oil
- L2: (3) superabsorbent adj1 polymer and fatty adj1 oil
- L3: (88) superabsorbent adj1 polymer and fatty adj1 acid
- L4: (0) superabsorbent adj1 polymer and fatty adj1 wax
- L5: (152) superabsorbent adj1 polymer and phosphate
- L6: (36) superabsorbent adj1 polymer and grease
- L7: (43) superabsorbent adj1 polymer and lubricant
- L8: (493072) superabsorbent adj1 polymer and petroleum adj1 oil
- L9: (22) superabsorbent adj1 polymer and soap
- L10: (855) superabsorbent adj1 polymer and water
- L11: (65) superabsorbent adj1 polymer and water same '100' adj1 time
- L12: (6) superabsorbent adj1 polymer and water same '100' adj1 time
- L13: (0) superabsorbent adj1 polymer and water same '100' adj1 time
- L14: (2) superabsorbent adj1 polymer and water same '100' adj1 time
- L15: (2) superabsorbent adj1 polymer and water same '100' adj1 time
- L16: (5) superabsorbent adj1 polymer and water same '100' adj1 time
- L17: (6) superabsorbent adj1 polymer and water same '100' adj1 time
- L18: (9) superabsorbent adj1 polymer and water same '100' adj1 time
- L19: (10) superabsorbent adj1 polymer and water same '100' adj1 time
- L20: (23) superabsorbent adj1 polymer and water same '100' adj1 time
- L21: (12) superabsorbent adj1 polymer and water same '100' adj1 time

Failed

- (0) superabsorbent adj1 polymer and synthetic a dj1 oil

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superabsorbent adj1 polymer

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